

IMPLOSION RESISTANT CONTAINER

ABSTRACT OF THE DISCLOSURE

The present invention overcomes many of the shortcomings inherent in previous containers for packaging potato chips and/or crisps, corn based chips and/or crisps, cookies and the like. The improved implosion-resistant container of the present invention utilizes flowing geometries mechanisms which allow a hermetically sealed container to smoothly change its geometric shape thereby adjusting its internal volume in response to changes in environmental conditions. These volumetric adjustments compensate for changes in environmental conditions thereby avoiding the random buckling and deformation inherent in current packaging techniques which detracts from the commercial presentation of the container. The improved container of the present invention may also include a variety of other stress dissipating mechanisms that counteract the forces causing thermo-plastic container deformation, implosion and loss of seal integrity. This collection of stress dissipating mechanisms, employed collectively or separately, allows a container for storing fragile food products to be fashioned as a relatively lightweight, thin-walled, blow molded thermo-plastic container that is capable of adapting to changing environmental conditions while maintaining its visual aesthetic appearance.